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RESPONSE UNDER 37 CFR §1.116
EXPEDITED PROCEDURE
EXAMINING GROUP 3743

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PATENT
PD-YR1-9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lenny Low et al.

: Date: August 1, 2002

Serial No. 09/822,073

: Group Art Unit: 3743

Filed: March 30, 2001

: Examiner: Christopher M. Atkinson

For: Heat Transfer of a Remote Heat Source Using a Loop
Heat Pipe

: Batch No.:

: Patent No.:

**CERTIFICATE OF MAILING
UNDER 37 CFR 1.8**

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Identification of Transmitted Papers

Amendment comprising 6 pages, Transmittal letter in duplicate, one set of replacement
reproducing masters, return receipt postcard

I hereby certify that the above-identified correspondence is being deposited with the United States
Postal Service on August 1, 2002 with sufficient postage as first class mail, and is addressed
to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Kenneth W. Float
Reg. No. 29,233

The Law Offices of Kenneth W. Float
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8/20/02
(ne)

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Serial No. 09/822,073

: Group Art Unit: 3743

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: Examiner: Christopher M.

For: Heat Transfer of a Remote Heat Source Using a Loop
Heat Pipe

TRANSMITTAL LETTER

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

No additional fee is required.

The fee has been calculated as shown below:

CLAIMS AS AMENDED

CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR		PRESENT EXTRA	RATE	ADDITIONAL TOTAL
Total Claims	<u>6</u>	minus	<u>20</u>	=	<u>0</u> X \$ 18.00 = \$ 0.00
Independent Claims	<u>3</u>	minus	<u>3</u>	=	<u>0</u> X \$ 84.00 = \$ 0.00
Multiple Dependent Claims				<u>0</u> X \$ 280.00 =	\$ 0.00
TOTAL ADDITIONAL FEES FOR THIS AMENDMENT					\$ 0.00

A cheque in the amount of \$0.00 is enclosed with this Transmittal Letter to cover these costs. This form is submitted in duplicate.

Respectfully submitted

Kenneth W. Float
Reg. No. 29,233

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RESPONSE AFTER FINAL REJECTION
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: LENNY LOW ET AL. : Date: August 1, 2002
Serial No. 09/822,073 :
Filed: March 30, 2001 : Group Art Unit: 3743
For: HEAT TRANSFER OF A REMOTE HEAT: SOURCE USING A LOOP HEAT PIPE : Examiner: Christopher. M. Atkinson

AMENDMENT AFTER FINAL REJECTION

Commissioner of Patents and Trademarks
Washington, D. C. 20231

Sir:

In response to the Office Action mailed June 18, 2002, please amend the above-identified patent application as follows.

IN THE CLAIMS

Please amend the following Claims to read as indicated

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1. A heat transfer system comprising:

a spacecraft comprising a heat dissipating system;

a remotely-located heat source disposed on the spacecraft at a location that is remote from the heat dissipating system and which is not located on a heat pipe panel; and

5 a loop heat pipe thermally coupled between the remotely-located heat source and the heat dissipating system for coupling heat generated by the heat source to the heat dissipating system.

3. A spacecraft comprising:

a heat dissipating system for radiating heat into space;

a remotely-located heat source disposed at a location that is remote from the heat dissipating system and which is not located on a heat pipe panel; and

5 a loop heat pipe thermally coupled between the remotely-located heat source and the heat dissipating system for coupling heat generated by the remotely-located heat source to the heat dissipating system.

5. A heat dissipation method for use on a spacecraft comprising the steps of:

disposing a remotely-located heat source on a spacecraft at a location that is remote from a heat dissipating system and which is not located on a heat pipe panel;

thermally coupling a loop heat pipe between the remotely-located heat source and the

5 heat dissipating system; and